### IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re the patent of:

KONNO et al.

Patent Number: 5,397,432 Issued: March 14, 1995

For: METHOD FOR PRODUCING SEMICONDUCTOR INTEGRATED CIRCUITS AND

APPARATUS USED IN SUCH METHOD

### REQUEST FOR CERTIFICATE OF CORRECTION

Assistant Commissioner for Patents
Washington, D.C. 20231

March 10, 1997

Sir:

The undersigned requests that a Certificate of Correction be issued for the above-identified patent as indicated on the attached Form PTO-1050.

### **REMARKS**

This request is being made in order to correct our typographical error in column 11, line 39 and the omission of symbols in Table-1. In support of the corrections to Table-1, we are enclosing a copy of page 24 of the specification.

It is respectfully submitted that no new matter has been added.

Enclosed is a check for One Hundred Dollars (\$100.00) to cover any necessary cost for this change. If however, any additional fees are due, please charge our Deposit Account No. 14-1060.

Respectfully submitted,
NIKAIDO, MARMELSTEIN, MURRAY & ORAM LLP

George E. Oram, Jr. Reg. No. 27,931

Atty. Case No. P698-1333

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Enclosures: PTO Form 1050; Copy of Page 24 of the Specification; Check # 12856

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## UNITED STATES PATENT AND TRADEMARK OFFICE CERTIFICATE OF CORRECTION

PATENT NO. :

5,397,432

DATE

March 14, 1995

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It is muified that error appears in the above-identified persons and that mid Lecture Federal is hereby

Conditions	Amount of residung/cm <sup>2</sup> ·10 <sup>15</sup> a	iual chlorine itoms/cm²	Symbo After- shown corrison FIG.	ı in
	0.32±0.36	16.9±1.0	Large	0
D Stching only  Downflow ashing	0.39±0.06	15.5±1.0	Large	•
using Oz after ①  Downflow ashing	0.54±0.03	9.3±0.4	Small	*
using O2+CF4 after  3 Downflow ashing	① 0.23±0.03	4.0±0.3	Na	<b>•</b>
using O2+H2O after  (3) Exposure to H2O	: ① 0.51±0.02	8.7±0.3	Small	•
after D (30sec)  © Exposure to H20	0.48±0.01	8.1=9.2	Small	•
after ② (90sec) ② Exposure to H20	0.45±0.04	7.5±9.7	Sma 11	•
after ② (180sec	int 0.28±0.01	4.7 <del>±</del> 0.2	None	7
using H <sub>2</sub> O after (30 sec)  9 Downflow treatment	- 10:0 30	2.5±0.0	No	۵
g) Downtlow Clearing using H2O after (30 sec)  30 Downflow treatm using H2O after	ent 0.11±0.01	1.9±0.1	Ŋo	۷
(130sec)  (D) Downflow treatm	enc 0.58±0.0	11.3±0.2	Small	•
using Hz after (30sec)  ① Downflow treats	ment 0.68±0.0	11.7±0.1	Small	•
using H2O aft (90 sec)  Downflow treat using H2 afte (180 sec)  Exposure to H2O: h	ment 0.54±0. er ②	•		

mailing accress of Sender:

Nikaido, Marmelstein, Murray & Oram LLP Metropolitan Square, 655 Fifteenth Street, N.W. Suite 330-G Street Lobby Washington, D.C. 20005-5701

5,397,432

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# UNITED STATES PATENT AND TRADEMARK OFFICE CERTIFICATE OF CORRECTION

PATENT NO. :

5,397,432

DATES

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March 14, 1995

INVENTURIS:

KONNO et al.

It is cardified that error appears in the above-identified pattent and that said Letters Patent is hereby conserved as shown below:

Column 11, line 39, delete "or" insert therefor -- and --.

5,397,432

MAILING ACCRESS OF SENDER:

Nikaido, Marmelstein, Murray & Oram LLP Metropolitan Square, 655 Fifteenth Street, N.W. Suite 330-G Street Lobby Washington, D.C. 20005-5701

FORM PTG 1050 : REV. 3-827

PATENT NO.

No. of scall, casies @ 30+ per page



Table 1

	Conditions	Amount of res µm g/cm <sup>2</sup> 10 <sup>15</sup>	sidual chlorine atoms/cm <sup>2</sup>	After- corrosion	Symbols shown in Fig. 9
1	Etching only	0.92±0.06	16.0±1.0	Large	0
2	Downflow ashing using O <sub>2</sub> after ①	0.89±0.06	15.5±1.0	Large	
3	Downflow ashing using O <sub>2</sub> +CF <sub>4</sub> after	0.54±0.03	9.3±0.4	Small	
4	Downflow ashing using O <sub>2</sub> +H <sub>2</sub> O after	0.23±0.03	4.0±0.5	No	<b>♦</b>
⑤	Exposure to H <sub>2</sub> O after ② (30sec)	0.51±0.02	8.7±0.3	Small	<b>A</b>
6	Exposure to H <sub>2</sub> O after ② (90sec)	0.48±0.01	8.1±0.2	Small	
<b>⑦</b>	Exposure to H <sub>2</sub> O after ② (180sec)	0.45±0.04	7.6±0.7	Small	
8	Downflow treatment using H <sub>2</sub> O after ② (30sec)	0.28±0.01	4.7±0.2	None	Δ
9	Downflow treatment using H <sub>2</sub> O after ② (90sec)	0.15±0.00	2.5±0.0	No	Δ
<b>®</b>	Downflow treatment using H <sub>2</sub> O after ② (180sec)	0.11±0.01	1.9±0.1	No	Δ
<b>(1)</b>	Downflow treatment using H <sub>2</sub> after ② (30sec)	0.68±0.01	11.8±0.2	Small	•
<b>(2</b> )		0.68±0.01	11.7±0.1	Small	
<b>(</b> )		0.64±0.01	11.1±0.2	Small	÷ .

Exposure to H2O: heated at 120°C in water vapor at 0.1 Torr.

### "FEE ADDRESS" INDICATION FORM

Address to:
Commissioner of Patents and Trademarks
Box M. Fee
Washington, D.C. 20231

Please recognize as the "Fee Address" under the provisions of 37 CFR 1.363 the following

COMPUTER PATENT ANNUITIES C/O COMPUTER PATENT ANNUITIES INC. Suite 305
901 N. Washington Street
Alexandria, VA 22314
U.S.A.

Payor Number if assigned 000197

in the following listed application(s) or patent(s) for which the Issue Fee has been paid.

PATENT NUMBER (if known)	SERIAL NUMBER	PATENT DATE (if known)	U.S. FILING DATE
5,397,432	07/743,383	March 14, 1995	August 21, 1991
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Typed name of person signing Charles M. Marmelstein

signed (check one)

\_\_ Owner of record

XX Owner's attorney or agent of record

(Reg. No.) 25,895

Form PTO 1537